

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	8384	((writ\$4 record\$6) near2 current\$1) near5 (adjust\$5 vary\$3 varia\$5 chang\$4 set\$4 differ\$3 another plural\$3 multiple increas\$4 decreas\$3 larger smaller higher lower\$3 reduc\$6 greater less\$5 more)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 17:46
2	L2	39169	(head\$1 transducer\$1 gap\$1 element\$1 sensor\$1 pole\$1) near10 (disk\$5 disc\$1 media medium platter\$1 ((record\$3 magnetic) near2 (surface\$1 layer\$1))) near10 (contact\$3 crash\$3 crush\$3 touch\$3 scrap\$3 rub\$4 collid\$3 collision\$1 hit\$4 strik\$3 bump\$3 ram rams ramm\$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 17:46
3	L3	275036	current\$1 near5 (threshold\$1 limit\$6 boundar\$3 most greatest peak\$3 highest maximum ((calibrat\$4 reference exceed\$3 prohibit\$4 prevent\$6 excess\$3 halt\$3) near2 (level\$1 amount\$1 value\$1 magnitude\$1)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 17:51
4	L4	143	1 and 2 and 3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 17:51
5	L6	13096	((writ\$4 record\$6) near3 current\$1) near8 (adjust\$5 vary\$3 varia\$5 chang\$4 set\$4 different another plural\$3 multiple increas\$4 decreas\$3 larger smaller higher lower\$3 reduc\$6 greater less\$5 more)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:00
6	L7	125695	(head\$1 transducer\$1 gap\$1 element\$1 sensor\$1 pole\$1) same (disk\$5 disc\$1 media medium platter\$1 ((record\$3 magnetic) near2 (surface\$1 layer\$1))) same (contact\$3 crash\$3 crush\$3 touch\$3 scrap\$3 rub\$4 collid\$3 collision\$1 hit\$4 strik\$3 bump\$3 ram rams ramm\$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:00
7	L8	321533	current\$1 near8 (threshold\$1 limit\$6 boundar\$3 most greatest peak\$3 highest maximum ((calibrat\$4 reference exceed\$3 prohibit\$4 prevent\$6 excess\$3 halt\$3) near3 (level\$1 amount\$1 value\$1 magnitude\$1)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:01
8	L9	486	6 and 7 and 8 and ((magnetic storage drive\$1 device\$1) near2 (disk\$5 disc\$1 media medium)) (storage near2 (drive\$1 device\$1)) HDA HDD DASD)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:02
9	L10	244	6 and 7 and 8 and "360"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:02
10	L11	341	6 and 7 and 8 and (temperature thermal)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:16
11	L12	1	6 and 7 and 8	EPO; JPO; IBM_TDB	2005/09/15 18:03

	L #	Hits	Search Text	DBs	Time Stamp
12	L13	167	(writ\$4 record\$6) and current\$1 and (adjust\$5 vary\$3 varia\$5 chang\$4 set\$4 different another plural\$3 multiple increas\$4 decreas\$3 larger smaller higher lower\$3 reduc\$6 greater less\$5 more) and (head\$1 transducer\$1 gap\$1 element\$1 sensor\$1 pole\$1) and (disk\$5 disc\$1 media medium platter\$1 ((record\$3 magnetic) near2 (surface\$1 layer\$1))) and (contact\$3 crash\$3 crush\$3 touch\$3 scrap\$3 rub\$4 collid\$3 collision\$1 hit\$4 strik\$3 bump\$3 ram rams ramm\$3) and (threshold\$1 limit\$6 boundar\$3 most greatest peak\$3 highest maximum ((calibrat\$5 reference exceed\$3 prohibit\$4 prevent\$6 excess\$3 halt\$3) near5 (level\$1 amount\$1 value\$1 magnitude\$1)))	EPO; JPO; IBM_TDB	2005/09/15 18:03
13	L14	712	4 9 10 11 13	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:04
14	L15	34	14 and (acoustic\$4 AE)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:07
15	L16	10771	(contact\$3 crash\$3 crush\$3 touch\$3 scrap\$3 rub\$4 collid\$3 collision\$1 hit\$4 strik\$3 bump\$3 ram rams ramm\$3) near10 (acoustic\$4 AE)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:08
16	L17	53	2 and 16 and (1 3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:09
17	L18	2192	(contact\$3 crash\$3 crush\$3 touch\$3 scrap\$3 rub\$4 collid\$3 collision\$1 hit\$4 strik\$3 bump\$3 ram rams ramm\$3) same (acoustic\$4 AE)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:09
18	L19	64	7 and 18 and (6 8) and ((magnetic storage drive\$1 device\$1) near2 (disk\$5 disc\$1 media medium)) (storage near2 (drive\$1 device\$1)) HDA HDD DASD)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:11
19	L20	12	7 and 18 and (6 8) and "360"/\$.cccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:12
20	L21	65	7 and 18 and (6 8) and (temperature thermal)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:12



	L #	Hits	Search Text	DBs	Time Stamp
21	L22	72	(head\$1 transducer\$1 gap\$1 element\$1 sensor\$1 pole\$1) and (disk\$5 disc\$1 media medium platter\$1 ((record\$3 magnetic) near2 (surface\$1 layer\$1))) and (contact\$3 crash\$3 crush\$3 touch\$3 scrap\$3 rub\$4 collid\$3 collision\$1 hit\$4 strik\$3 bump\$3 ram rams ramm\$3) and (acoustic\$4 AE) and ((writ\$4 record\$6) and current\$1 and (adjust\$5 vary\$3 varia\$5 chang\$4 set\$4 differerent another plural\$3 multiple increas\$4 decreas\$3 larger smaller higher lower\$3 reduc\$6 greater less\$5 more) (threshold\$1 limit\$6 boundar\$3 most greatest peak\$3 highest maximum ((calibrat\$5 reference exceed\$3 prohibit\$4 prevent\$6 excess\$3 halt\$3) near5 (level\$1 amount\$1 value\$1 magnitude\$1))))	EPO; JPO; IBM_TDB	2005/09/15 18:13
22	L23	185	(17 19 20 21 22) not 14	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:26
23	L24	78	6 and 7 and 8 and (overshoot\$4 OSC (over adj shoot\$3))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:26
24	L25	0	24 not (14 23)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	2005/09/15 18:26



	L #	Hits	Search Text	DBs	Time Stamp
1	L1	2	((friction\$2 vibrat\$4 contact\$3 crash\$3 crush\$3 touch\$3 scrap\$3 rub\$4 collid\$3 collision\$1 hit\$4 strik\$3 bump\$3 ram rams ramm\$3) and (head\$1 transducer\$1 pole\$1 gap\$1 element\$1 sensor\$1 slider\$1) and (disk\$5 disc\$1 media medium platter\$1 surface\$1) and ((writ\$4 record\$6) near\$3 current\$1) and (overshoot\$3 OSC (over adj shoot\$3))).clm.	US-PGPUB	2005/09/15 20:27